

Rejtő Sándor Faculty of Light Industry and Environmental Engineering
Course schedule for
Industrial Design Engineering
Packaging design (English)
ECO Friendly Packaging Materials
2023/24 I. semester

ÓBUDAI EGYETEM						
Rejtő Sándor Faculty of Light Industry and Environmental Engineering		<i>Kar</i>	Media Technology and Light Industry			Institute
<i>English title of the course:</i>		ECO Friendly Packaging Materials			Neptun code:	RMWKC1EBNE
					Credit:	2
Type (compulsory/obligatory:)	Compulsory	Education Type	Full-time	Semester: 7		
Study field:		Environmental Engineering programme				
<i>Lecturers:</i>	Piroska Prokai					
Weekly teaching hours:	Lecture: 0	Practical work: 0	Laboratory work: 2			
<i>Exam type</i>	semester mark	Language of course:	English	<i>In timetable::</i>	Tuesday 9.50-13.20	
CURRICULUM						
<i>Abstract:</i>						
Introducing students to the environmental effects of packaging materials of different materials is less harmful to the environment materials and packaging technologies and the legislation on which the design is based. The students redesign the packaging of a specific product during the semester, taking into account the aspects learned.						
week	Lecture and Practice topics					
09.19	Accident prevention education. Beginning of the project work, student introduction Environmental regulation of packaging Packaging waste, waste collection systems, the domestic collection and utilization system, waste sorting					
09. 26.	Reducing the environmental impact of packaging: reducing quantity and changing quality. Biodegradable plastics. Multi-way packaging, utilization possibilities of packaging waste. Recovery of packaging waste – as such as material recycling					
10. 03.	Basics of designing recyclable packaging Design of recyclable packaging 1					
10. 10.	Design of recyclable packaging 2; Design of recyclable packaging 3					
11.28	Presentation of an independent task					
12. 05.	TEST					
12. 12	replacements					
Signature condition						
Attendance at the exercises is mandatory. Knowledge of the material is essential for the successful completion of the semester. The condition for signing the semester is to participate in the classes, to write at least the appropriate level (at least 60%) and to prepare the semester tasks at the appropriate level.						

Evaluation method	
Written test on the 13 th week	
LITERATURE	
Recommended literature	<p>Helmut Kipphan <i>Handbook of print media technologies and production</i> Springer Science & Business Media, 2001</p> <p>Tiefbrunner A.: <i>Csomagolás – Trendek és kérdések</i>, CompLex, Bp., 2010.</p> <p>Tiefbrunner A.: <i>Csomagolás és környezetvédelem</i>, Papír-Press Egyesülés, Bp., 2002.</p> <p>Dr. Schulz P., Dr. Endrédy I. - <i>Környezetvédelem a nyomdaiparban</i>, Nyomdaipari füzetek, P&E, Bp., 1995.</p> <p>Presentations in the e-learning system</p>
A tárgy minőségbiztosítási módszerei:	
<p>There is an annual teacher review of the subject, during which knowledge transfer is taken into account effectiveness and information from the evaluation of the opinions given by students and graduates. The Based on the evaluation, development actions related to the subject can be launched, the areas of which</p> <ul style="list-style-type: none"> - knowledge transfer methodology, - the content of the curriculum, - the interdependence of lectures and exercises. <p>We make an annual evaluation of the changes and their results, we make a note of this and the proven elements. we make it part of the subject program with a schedule organized by the supervisor.</p>	

Budapest, 21. August 2023.

László Koltai dr.
dean of the institute